

Serial No.: 08/385,404

Filed: February 7, 1995

Kindly amend the application in the following respects:

In the Specification:

On page 15, line 30, delete the "," after the word "acute".

On page 16, line 4, after "leukodystrophy", insert --and--.

In the Claims:

1. (Twice Amended) A method of remyelinating a neuron comprising the steps of:
(a) [isolating] dissociating neural stem cells from the tissue of a donor, the progeny of said neural stem cells being capable of differentiating into neurons, astrocytes, and oligodendrocytes,

C1 (b) proliferating the [isolated] dissociated neural stem cells in a culture medium containing a growth factor to produce precursor cells,

(c) harvesting the precursor cells, and

(d) causing the harvested precursor cells to come into contact with a demyelinated axon to effect remyelination of said demyelinated axon.

C2 4. (Amended) The method of Claim 1 wherein the precursor cells of step (b) are in clonally-derived neurospheres.

5. (Amended) The method of Claim 3 wherein the donor is the recipient and is a juvenile or adult.

7. (Twice Amended) A method of remyelinating a neuron comprising the steps of:

C3 (a) [isolating] dissociating neural stem cells from the tissue of a donor, the progeny of said neural stem cells being capable of differentiating into neurons, astrocytes, and oligodendrocytes,

(b) proliferating the [isolated] dissociated neural stem cells in a first culture medium containing a growth factor to produce precursor cells,